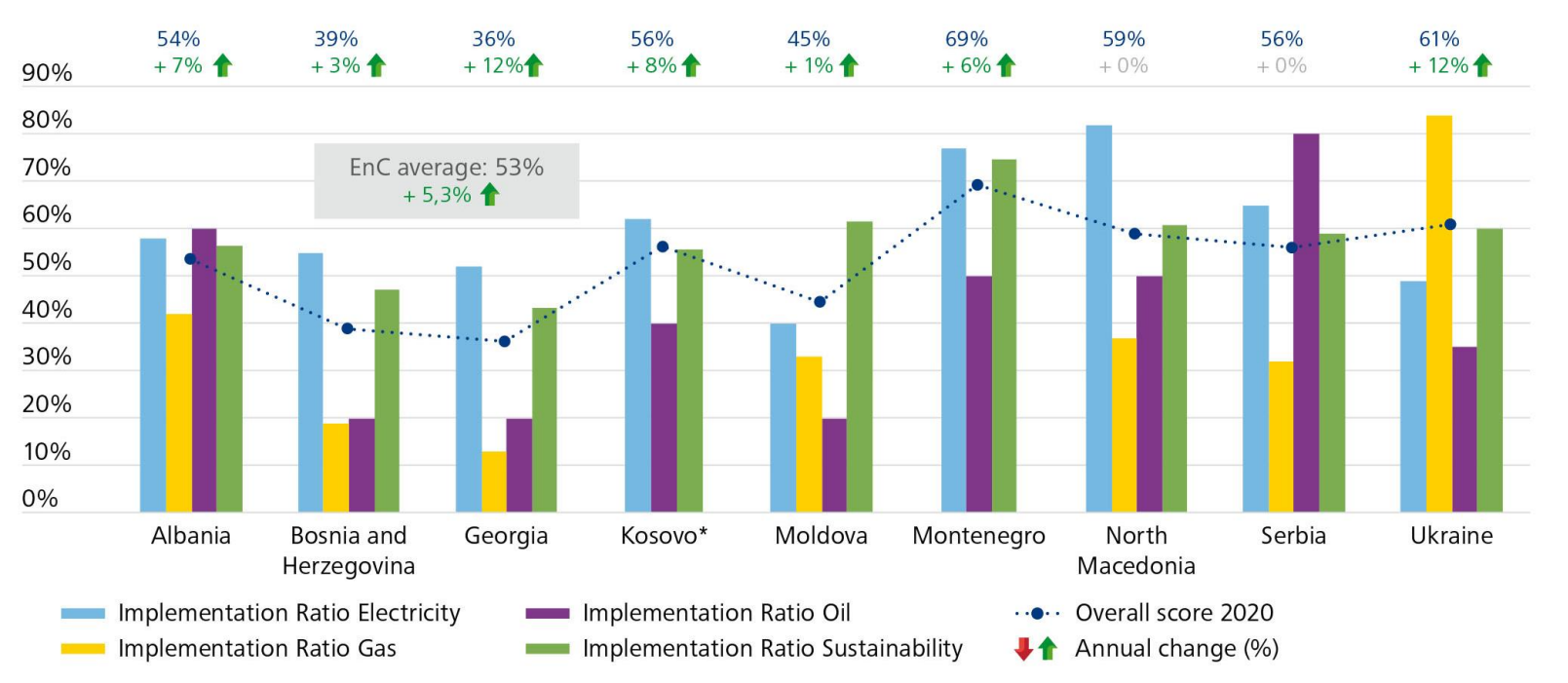
# *Implementation of the LCP Directive – experience of the first two years*

# Overview of Implementation Performance 2020



# The LCP Directive

- *Current LCP Directive adopted in 2001, replaced by IED in 2016 in the EU*
- *Setting emission limit values for SO2, NOx and dust (particulate matter) for plants with a rated thermal input (RTI) ≥ 50 MW*
- *ELVs may vary based on the RTI of the plant and on the type of fuel used*
- *Provisions on monitoring*
- *Flexibility mechanisms (national emission reduction plan, limited lifetime derogation, etc.)*

# Compliance with the LCPD / IED

***ENVIRONMENTAL COMPLIANCE / LCPs***

- ***NERP : Vehicle from the Large Combustion Plants Directive (LCPD) towards the Industrial Emissions Directive (IED)***
- ***LCPD to be implemented as of 1 Jan 2018 (2013/05 decision), Chapter III and Annex V of IED: same date for new plants (2013/06); for existing plants → 1 Jan 2028 (2015 decision)***
- ***Special situation of Ukraine reflected in 2015 decision***
- ***Key actions for NERP implementation***
  - ***replacement (to be removed from NERP if done)***
  - ***retrofit***
  - ***putting a price tag on air pollution***
- ***5 CPs implementing NERPs, opt-out: BiH 3, MN 1, SR 4, UA 19+61***

# Opt-out estimations

Amount of operational hours used from opt-out period

| | | |
|---|---|---|
| Termoelektrana Kolubara A3 (boilers 3, 4, 5) | Expected expiry of opt-out period | August 2021 |
| | Remaining hours | 8.964 |
| | Operating hours consumed in 2018 and 2019 | 11.036 |
| Termoelektrana Morava | Expected expiry of opt-out period:* | June 2022 |
| | Remaining hours | 11.026 |
| | Operating hours consumed in 2018 and 2019 | 8.974 |
| Termoelektrana Kolubara A3 (boiler 1) | Expected expiry of opt-out period | August 2022 |
| | Remaining hours | 11.416 |
| | Operating hours consumed in 2018 and 2019 | 8.584 |
| Termoelektrana Kolubara A5 | Expected expiry of opt-out period | December 2023 |
| | Remaining hours | 14.812 |
| | Operating hours consumed in 2018 and 2019 | 5.188 |

*Calculations for the expected expiry of the opt-out period are based on 2018 and 2019 average load factor.

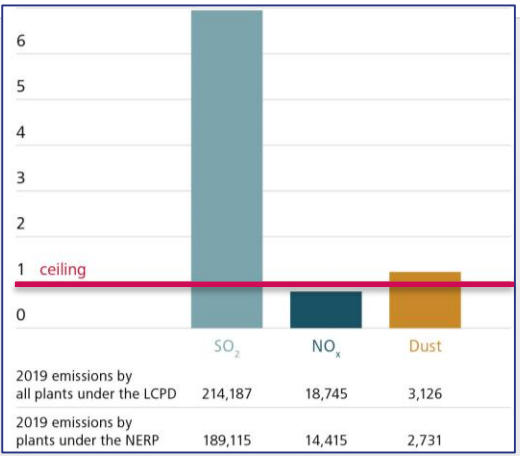
Source: compiled by the Energy Community Secretariat

# *Emissions from large combustion plants vs NERP ceilings*

| | $SO_2$ | | | $NO_x$ | | | dust | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2019 ceiling | 2019 real | Real / ceiling | 2019 ceiling | 2019 real | Real / ceiling | 2019 ceiling | 2019 real | Real / ceiling |
| **BIH** | 27,194 | 189,115 | 6.95 | 17,956 | 14,415 | 0.8 | 2,222 | 2,731 | 1.23 |
| **KO*** | 10,556 | 13,257 | 1.26 | 11,612 | 20,393 | 1.76 | 1,320 | 5,155 | 3.91 |
| **MK** | 15,855 | 108,033 | 6.81 | 14,088 | 5,659 | 0.4 | 1,738 | 3,778 | 2.17 |
| **SR** | 54,575 | 310,412 | 5.69 | 55,287 | 34,233 | 0.62 | 6,390 | 6,047 | 0.95 |
| **UA** | 920,431 | 452,907 | 0.49 | 182,168 | 92,180 | 0.51 | 185,808 | 101,093 | 0.54 |

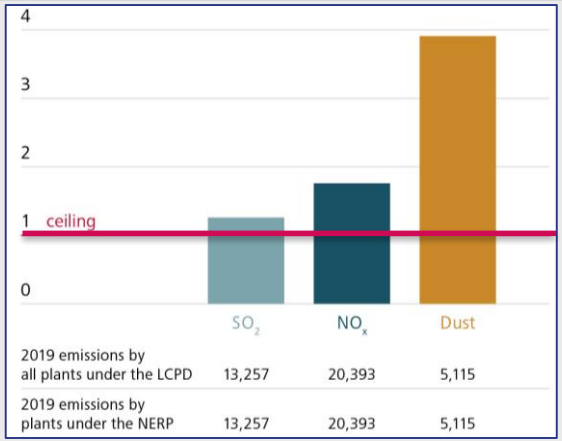
All numbers are expressed in tonnes

# *Emissions from large combustion plants vs NERP ceilings*



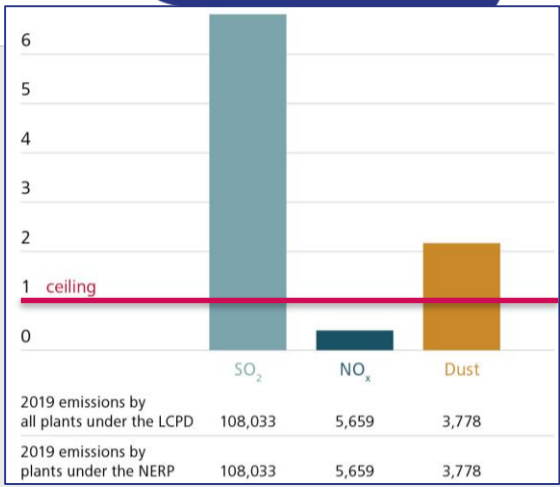

| | | | |
|---|---|---|---|
| 2019 emissions by all plants under the LCPD | 214,187 | 18,745 | 3,126 |
| 2019 emissions by plants under the NERP | 189,115 | 14,415 | 2,731 |

**Bosnia and Herzegovina**




| | | | |
|---|---|---|---|
| 2019 emissions by all plants under the LCPD | 13,257 | 20,393 | 5,115 |
| 2019 emissions by plants under the NERP | 13,257 | 20,393 | 5,115 |

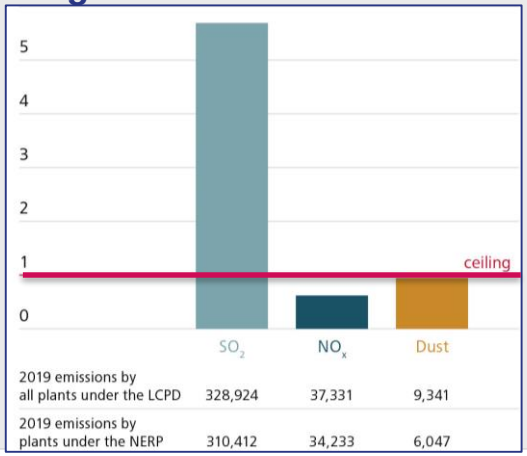
**Kosovo***



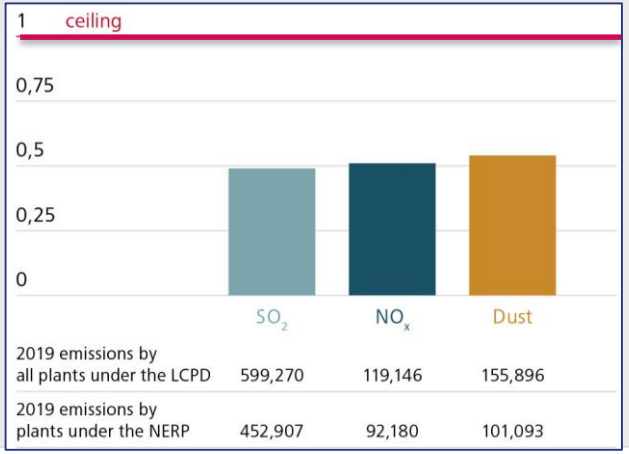

| | | | |
|---|---|---|---|
| 2019 emissions by all plants under the LCPD | 108,033 | 5,659 | 3,778 |
| 2019 emissions by plants under the NERP | 108,033 | 5,659 | 3,778 |

**North Macedonia**

**Serbia**




| | | | |
|---|---|---|---|
| 2019 emissions by all plants under the LCPD | 328,924 | 37,331 | 9,341 |
| 2019 emissions by plants under the NERP | 310,412 | 34,233 | 6,047 |




| | | | |
|---|---|---|---|
| 2019 emissions by all plants under the LCPD | 599,270 | 119,146 | 155,896 |
| 2019 emissions by plants under the NERP | 452,907 | 92,180 | 101,093 |

**Ukraine**

# *Thank you for your attention!*

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Picture credits: Energy Community photo contest; courtesy of the Contracting Parties; istockphoto.com